

Penultimate Solar Cell

AM1 Efficiency
Theoretical: 40%

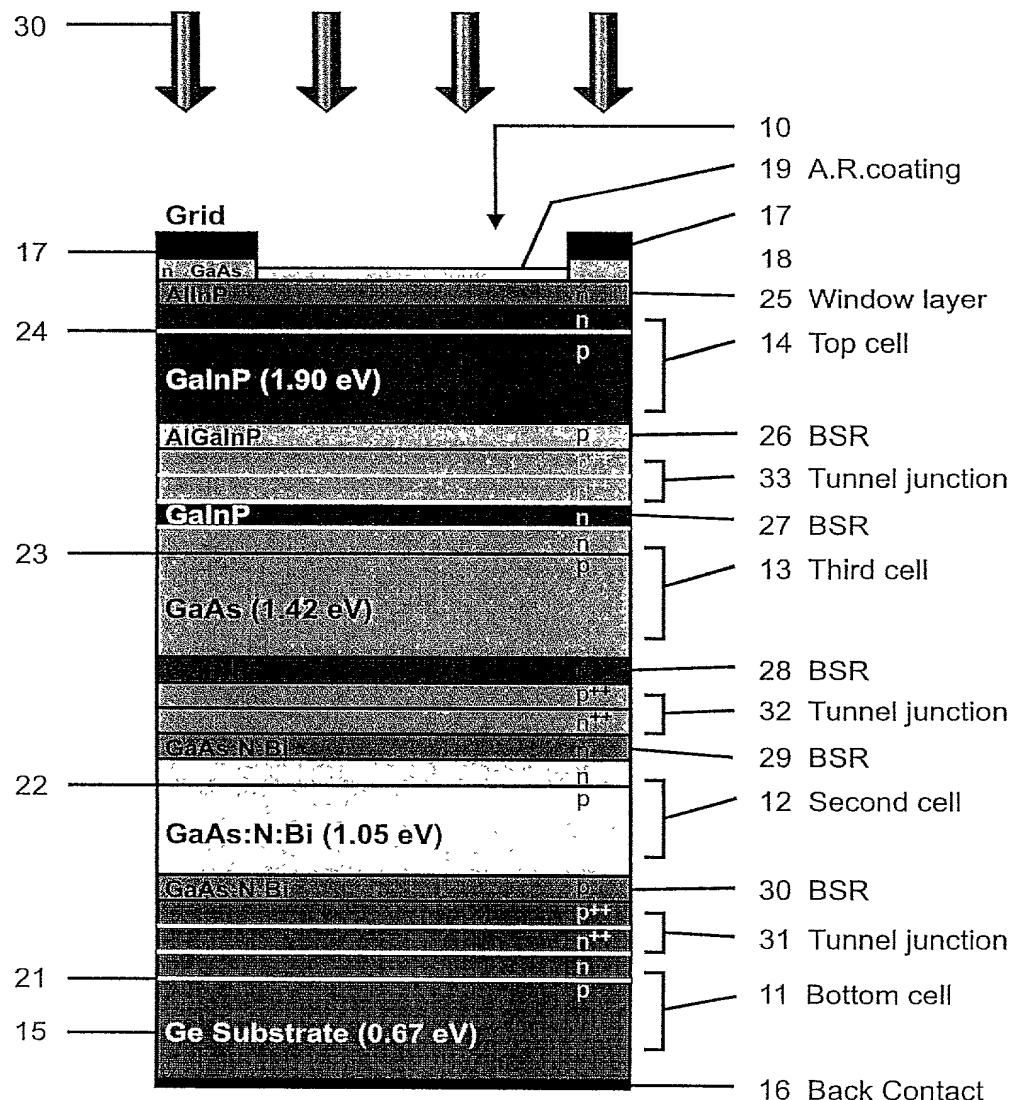
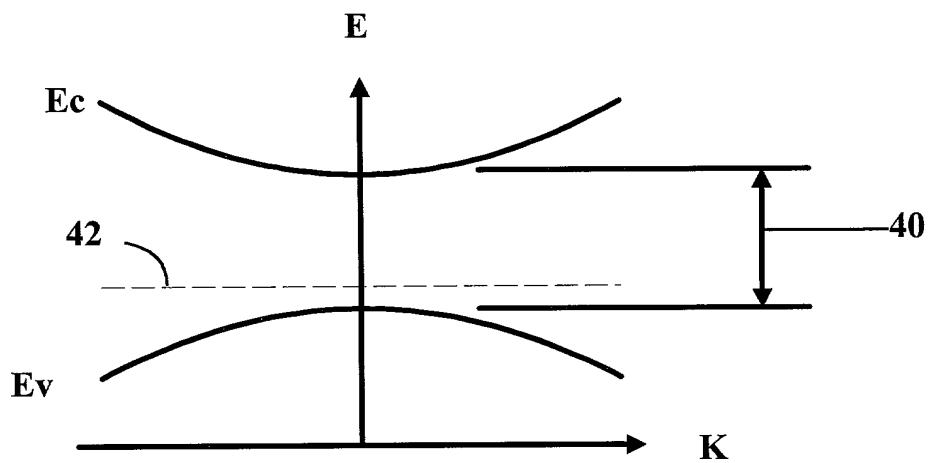
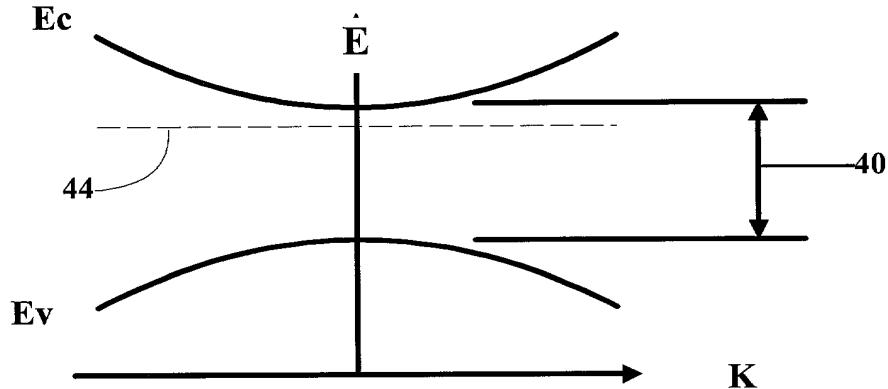
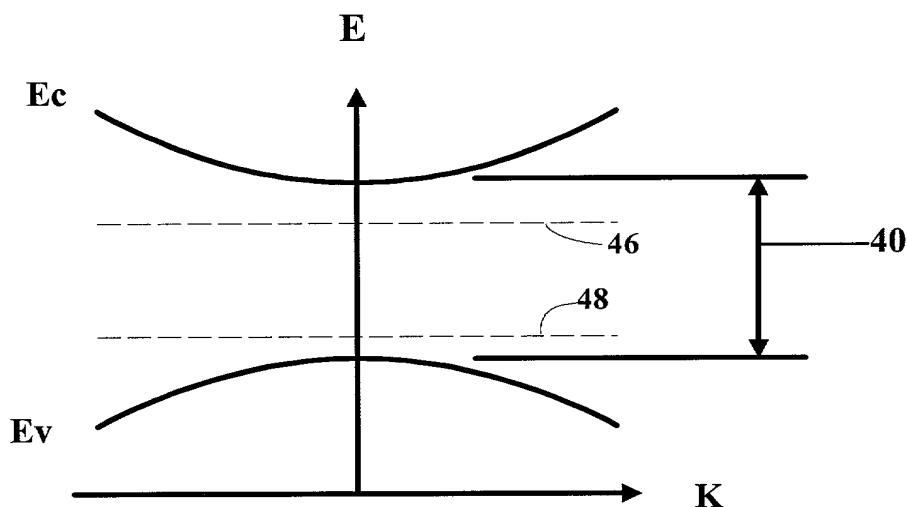
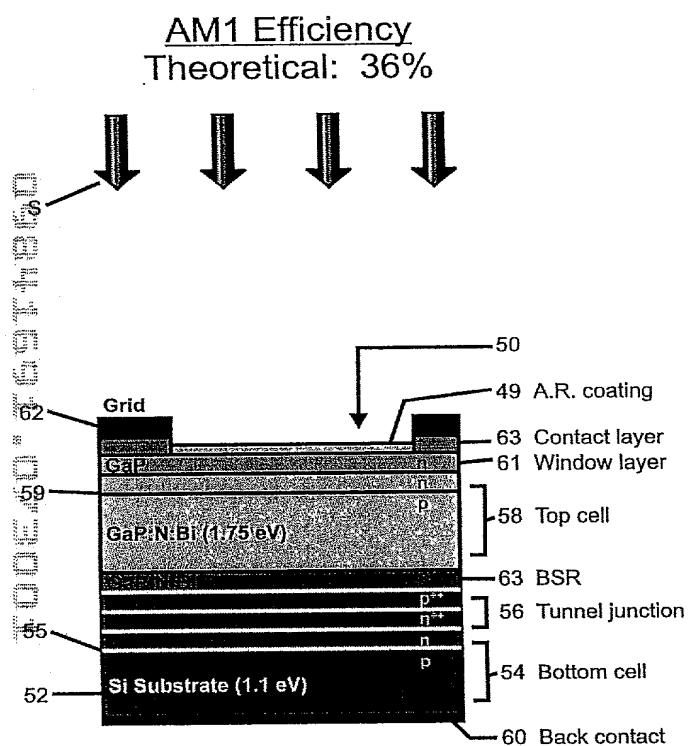
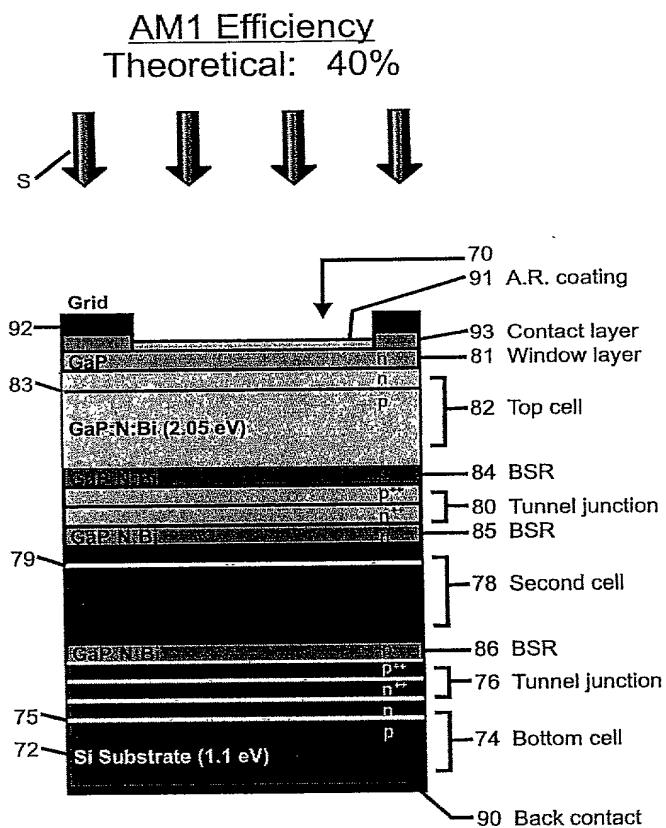
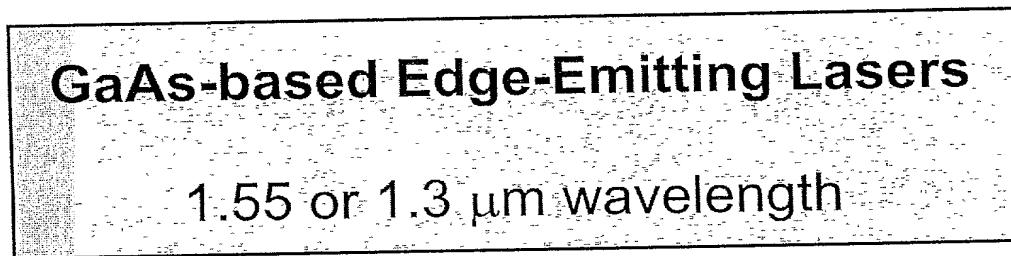


FIG. 1

**Figure 2 (Prior Art)****Figure 3 (Prior Art)****Figure 4**

Ultimate Solar Cells

**FIG. 5****FIG. 6**



TOEGLER © 1990

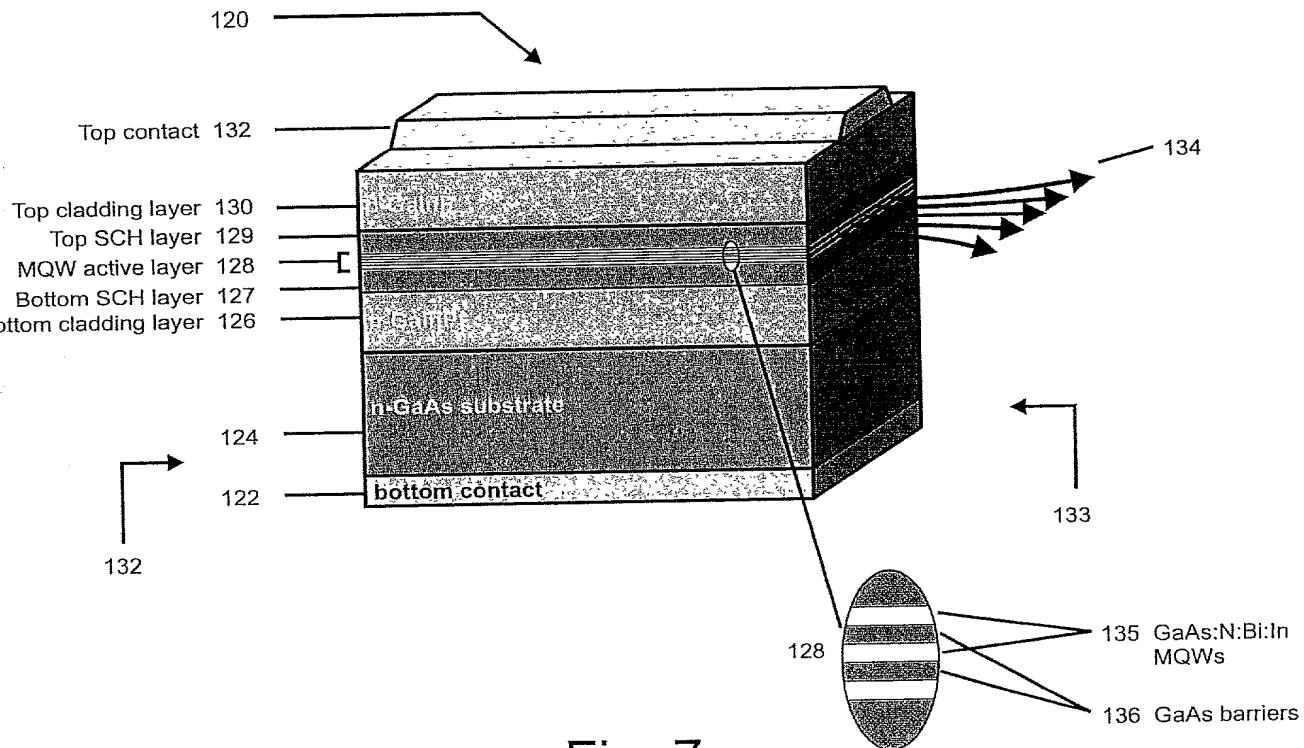


Fig. 7

VCSEL Lasers for 1.3 or 1.55 μm

DRAFT - DRAFT

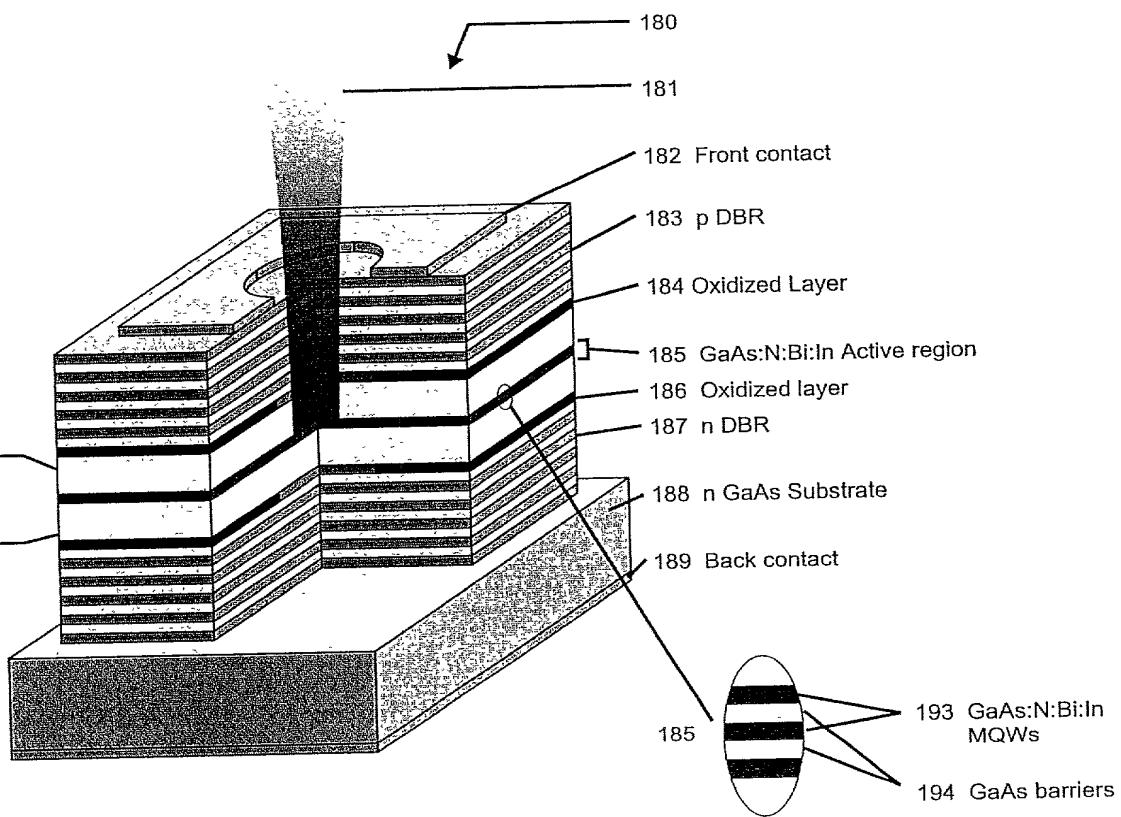


Fig. 8

High Brightness LEDs

Red / NIR LEDs: 640-800 nm

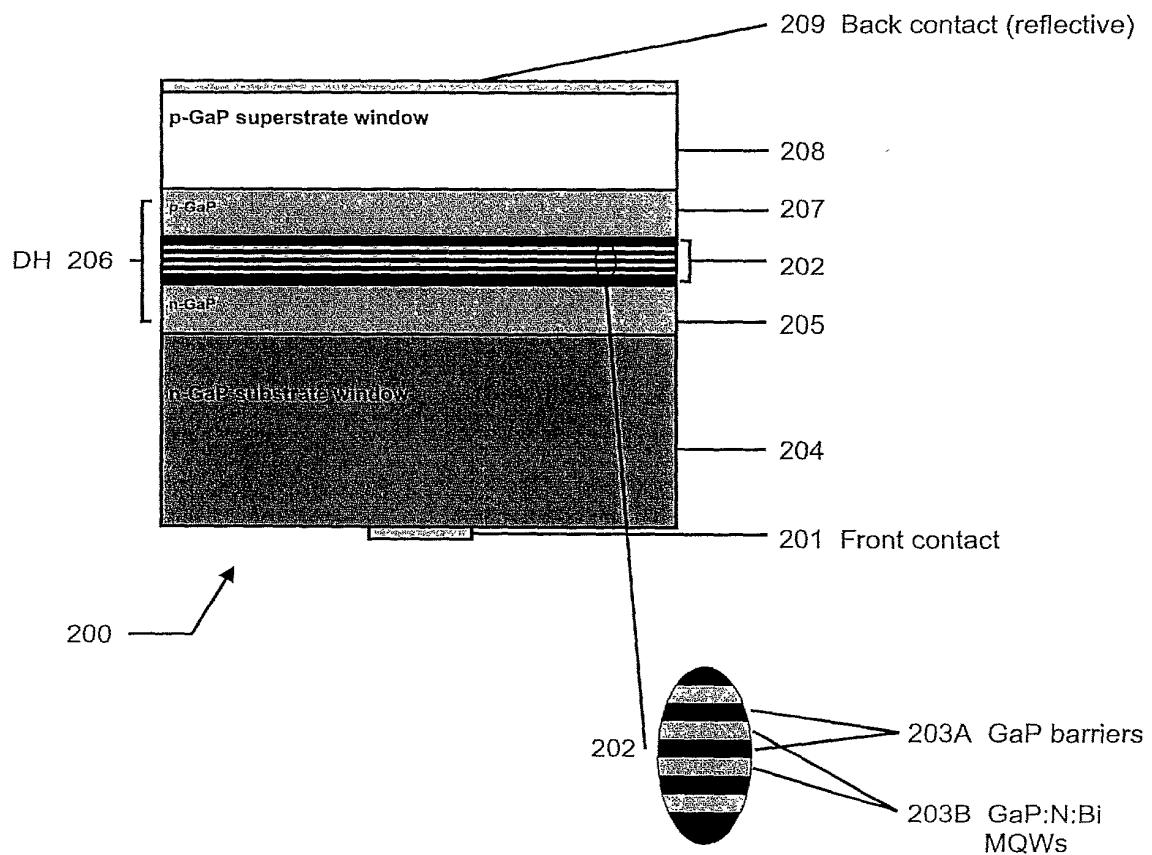


Fig. 9

Silicon monolithic LEDs

Red / NIR LEDs: 640-800 nm

Digitized by Google

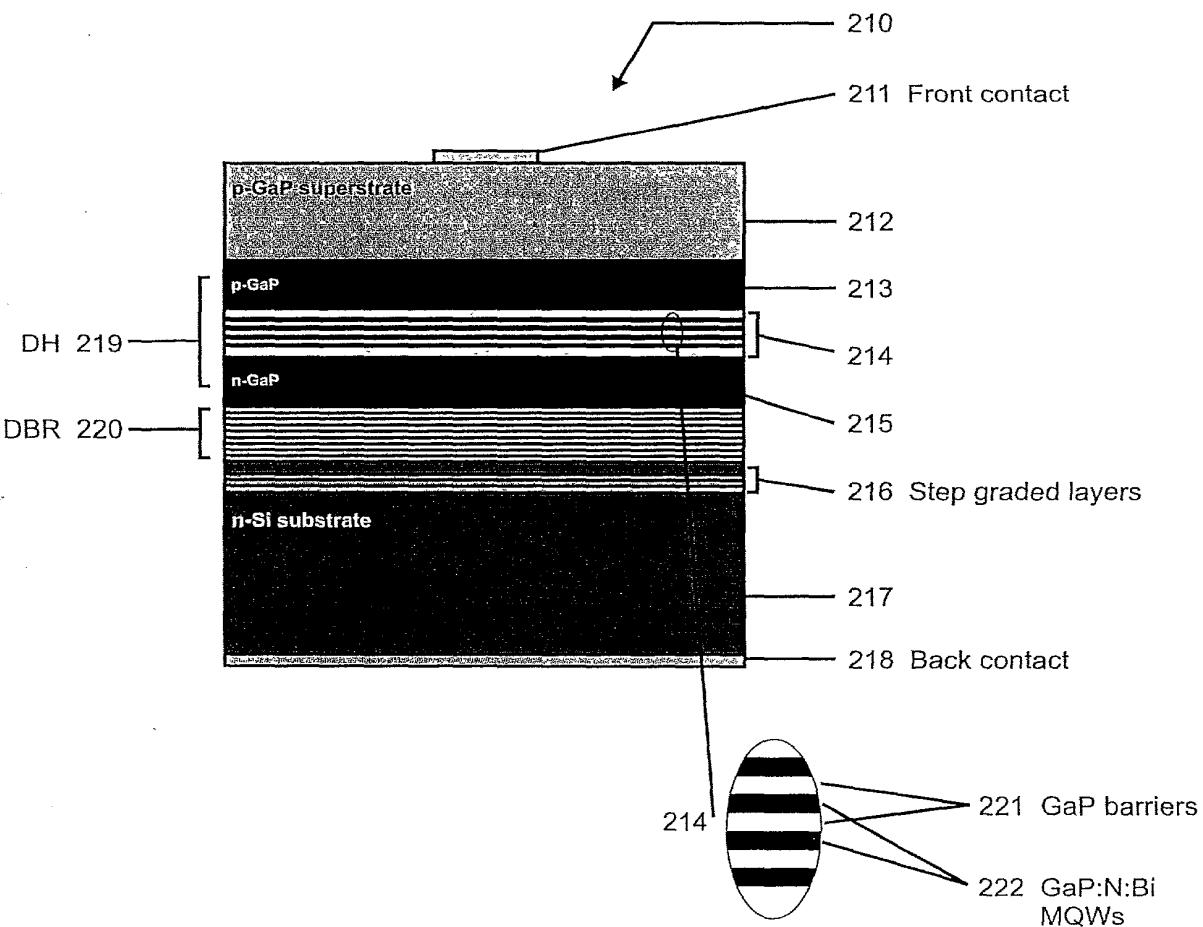


Fig. 10

GaP based Edge-Emitting Lasers

640 - 800 nm wavelength

GaP edge emitting lasers

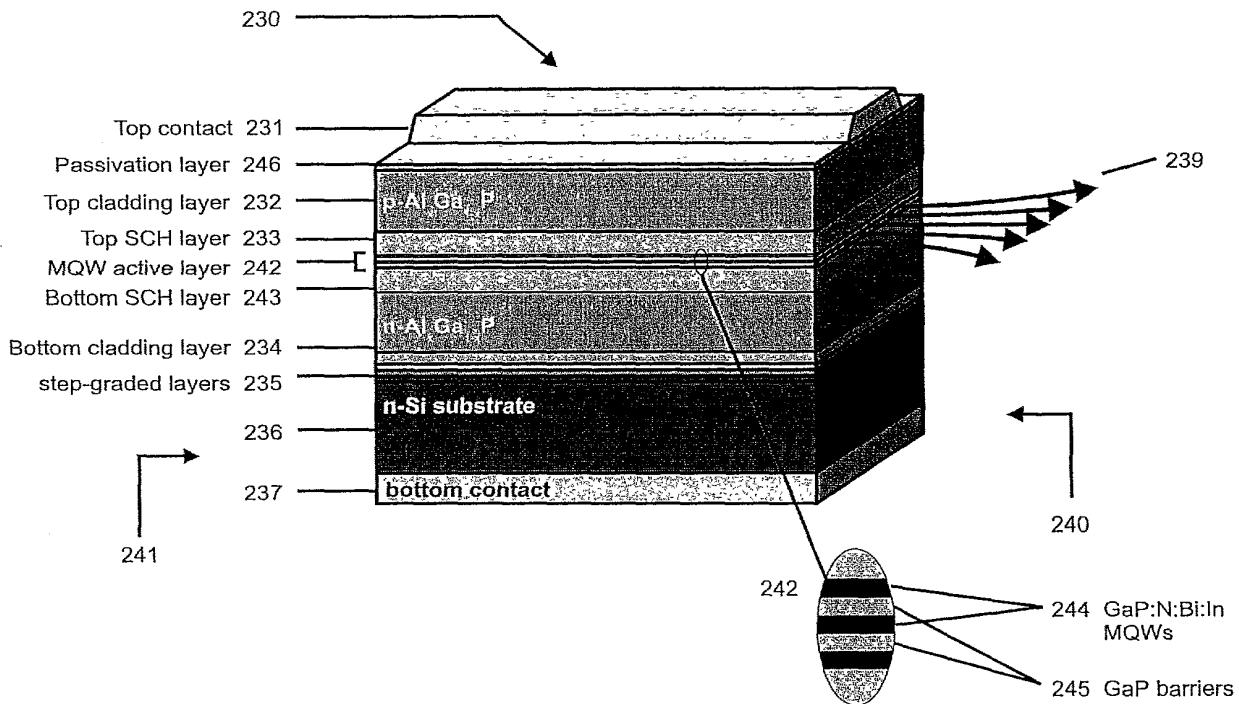


Fig. 11

Thermo Photovoltaic Solar Cell

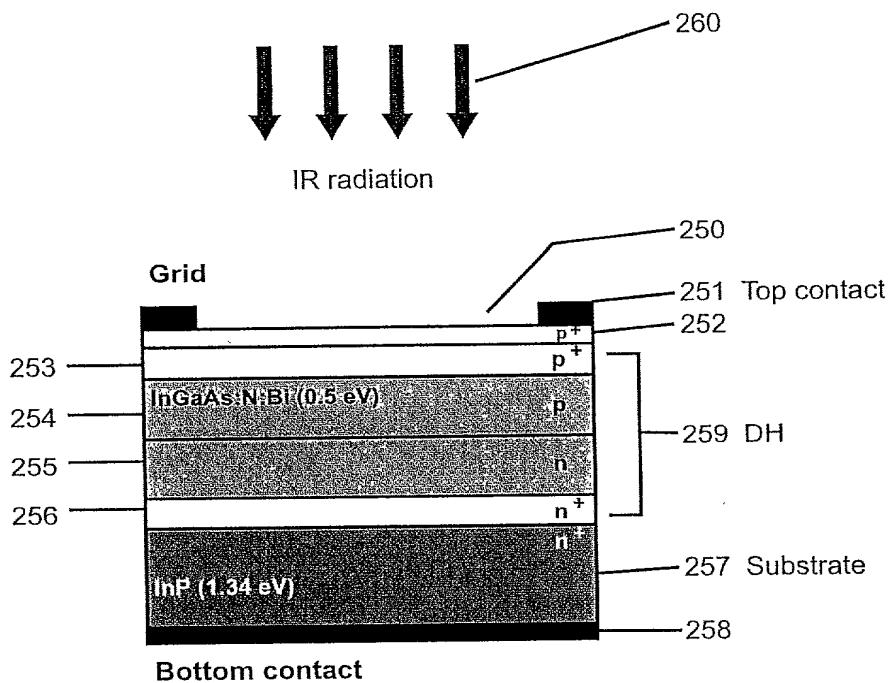


Fig. 12

Photodetectors

for 1.3 or 1.55 μm wavelengths

Light signals

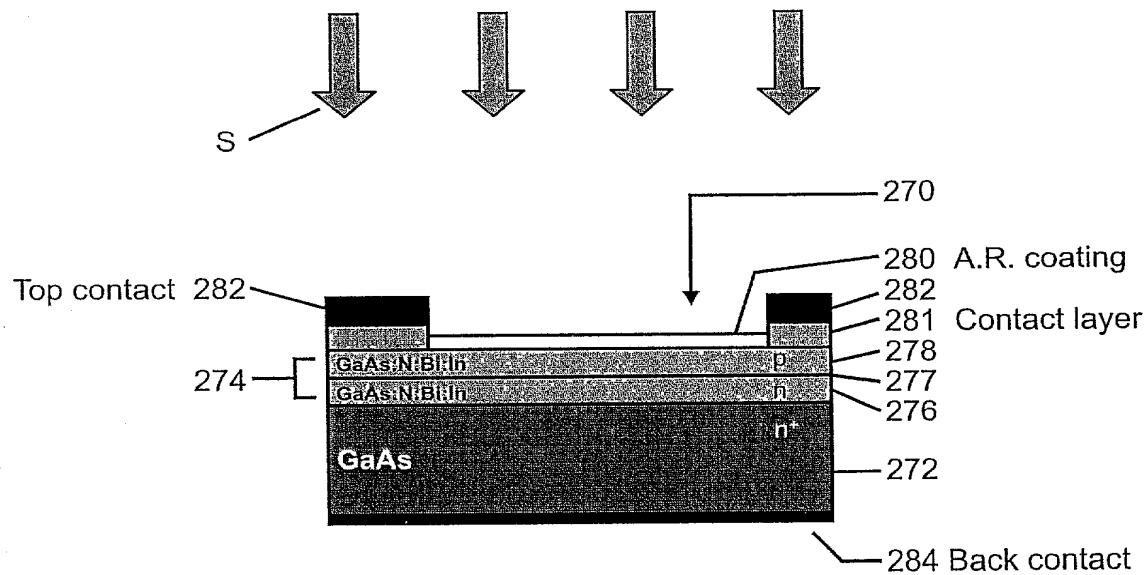


Fig. 13